



Micro Commercial Components



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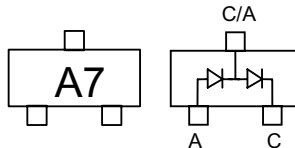
## DAN217U

### 200mW 80Volt Plastic-Encapsulate Diode

### Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Small Outline Surface Mount Package
- Low Current Leakage
- Low Cost

Pin Configuration  
Top View



### Maximum Ratings

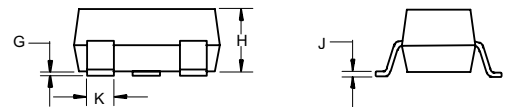
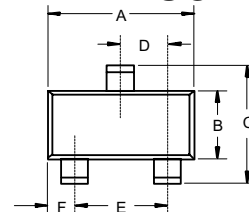
- Operating Temperature: -40°C to +150°C
- Storage Temperature: -55°C to +150°C

### Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	80	V
DC reverse voltage	$V_R$	80	V
Maximum forward current	$I_{FM}$	300	mA
Average forward current	$I_O$	100	mA
Surge current	$I_{FSM}$	1000	mA
Power dissipation	$P_D$	200	mW
Junction temperature	$T_J$	150	°C

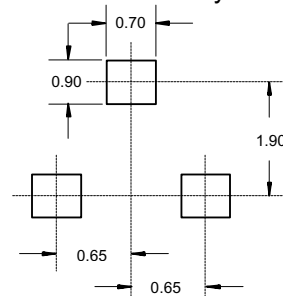
Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{BR}$	$I_R=100\mu A$	80		V
Reverse voltage leakage current	$I_R$	$V_R=70V$		0.2	$\mu A$
Forward voltage	$V_F$	$I_F=100mA$		1200	mV

### SOT-323



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.083	.096	2.10	2.45	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.006	.016	.15	.40	

### Suggested Solder Pad Layout



## Typical Characteristics

Fig. 1 - Typical Instantaneous Forward Characteristics

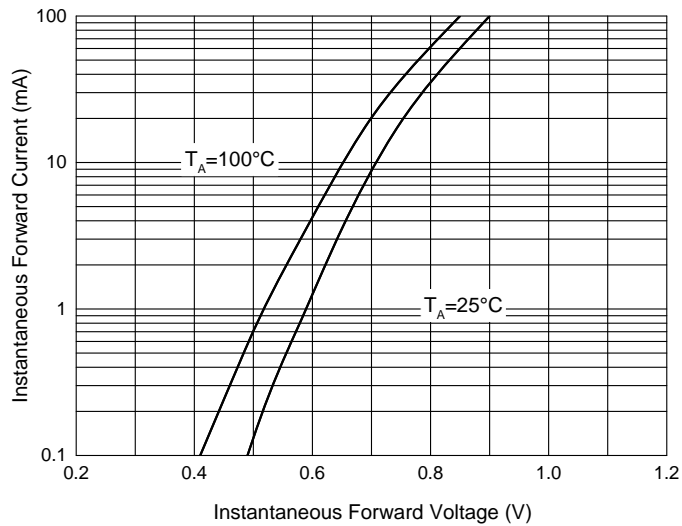


Fig. 2 - Typical Reverse Leakage Characteristics

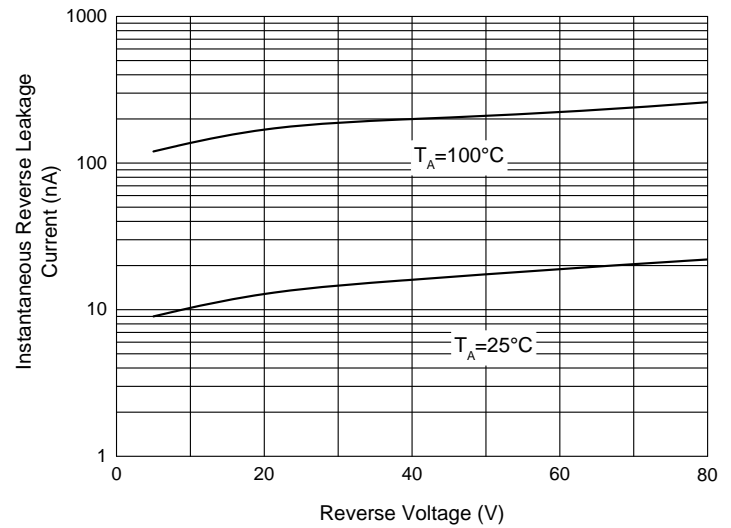
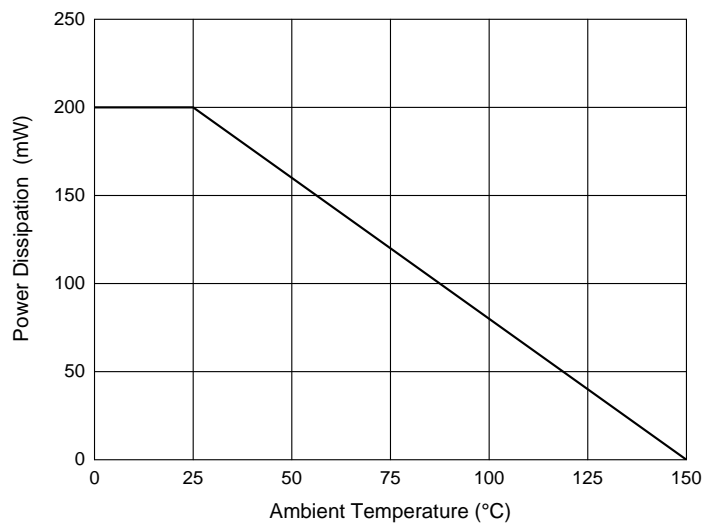


Fig. 3 - Power Derating Curve



## Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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